

# Theme 1 Discussion

## Relevant VOCALS hypothesis

1. Variability in the physicochemical properties of aerosols has a measurable impact upon the formation of drizzle in stratocumulus clouds over the SEP

Other science:

turbulence/decoupling/entrainment

diurnal cycle of PBL/cloud properties

life cycle of mesoscale drizzle cells

Discussion question:

- What distilled datasets are most useful for modelers? How should we package them? Combining ship and aircraft
- Given confounding macrophysical factors, how can we clearly separate out the impact of droplet conc. on drizzle? Of drizzle on PBL structure?